

Date: Fri, 28 Jan 94 04:30:32 PST  
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>  
Errors-To: Ham-Homebrew-Errors@UCSD.Edu  
Reply-To: Ham-Homebrew@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Homebrew Digest V94 #12  
To: Ham-Homebrew

Ham-Homebrew Digest                      Fri, 28 Jan 94                      Volume 94 : Issue    12

Today's Topics:

                    Antenna pre-amp design. Help!  
                                EIMAC design book?  
PROJECT 14: THE WORLD'S SMALLEST TRANSMITTER  
                    XTAL source needed (2 msgs)

Send Replies or notes for publication to: <Ham-Homebrew@UCSD.Edu>  
Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Homebrew Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-homebrew".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----

Date: 26 Jan 1994 17:14:03 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!  
usernet.ins.cwru.edu!lerc.nasa.gov!news.larc.nasa.gov!grissom.larc.nasa.gov!  
kludge@network.ucsd.edu  
Subject: Antenna pre-amp design. Help!  
To: ham-homebrew@ucsd.edu

In article <1994Jan26.001852.3038@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary  
Coffman) writes:

>

>In looking through my collection of ARRL Handbooks, I don't find a  
>HF preamp until I go back to the 1962 edition. They have one using  
>a 6AK5 pentode. This should give you an idea of the apparent lack  
>of need for such circuits with more modern equipment.

Actually, I recommend this circuit... I built it when I was a kid and  
hung it on the front of a modified Philco table radio and it worked very  
nicely to the point where the rotten selectivity of the radio was a problem.  
The manufacturer probably never expected anyone to tear windings off the

AM loopstick to move it to 80M.

--scott

--

"C'est un Nagra. C'est suisse, et tres, tres precis."

-----  
Date: 28 Jan 1994 02:18:31 GMT

From: usc!howland.reston.ans.net!usenet.ins.cwru.edu!cleveland.Freenet.Edu!  
al838@network.ucsd.edu

Subject: EIMAC design book?

To: ham-homebrew@ucsd.edu

The book you may be looking for is called "Care and feeding of POWER GRID TUBES" by Varian EIMAC. The copyright is 1967 and I have a copy of the fourth printing which was in 1982. The Library of Congress number is 67-30070. The book has about 160 pages and covers just about everything a designer needs to know about power tubes. The price printed on the cover is \$5.95 in the US. I got my copy for free from Varian EIMAC Division, 301 Industrial Way, San Carlos, CA 94070.

I have no idea if it is still in print or available but I hope this lead helps.

73, Eric

--

Eric Grabowski, WA8HEB  
Chagrin Falls, Ohio

al838@cleveland.freenet.edu

-----  
Date: 26 Jan 94 22:07:27 GMT

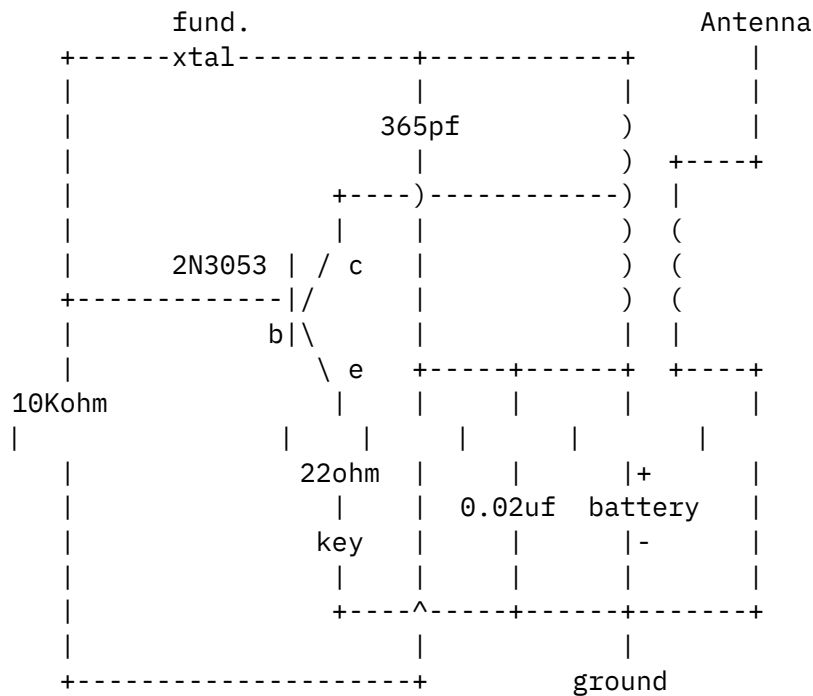
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!vixen.cso.uiuc.edu!  
moe.ksu.ksu.edu!cis.ksu.edu!mac@network.ucsd.edu

Subject: PROJECT 14: THE WORLD'S SMALLEST TRANSMITTER

To: ham-homebrew@ucsd.edu

> If there was a contest to come up with a xmtr containing as few  
> parts as possible, this would be the winner: 10 parts if you include  
> the key, battery, and antenna!

Several years ago I saved a similar (but different) 9-part (counting a 2-winding tapped inductor as one part!) xmtr from either 73 or Ham Radio magazine. The design was "Thanks to WB6OMV" and supposedly (I've NOT built one) ran about TWO WATTS output:



- - Myron.

— —

```
# We preserve our freedoms using four boxes: soap, ballot, jury, and cartridge.
# Myron A. Calhoun, PhD EE; Assoc. Professor (913) 539-4448 home
# INTERNET: mac@cis.ksu.edu 532-6350 work, 532-7353 fax
# UUCP: ...rutgers!depot!mac Packet radio: W0PBV@N0ARY.#NOCAL.CA.USA.NA
```

— —

```
# We preserve our freedoms using four boxes: soap, ballot, jury, and cartridge.
# Myron A. Calhoun, PhD EE; Assoc. Professor (913) 539-4448 home
# INTERNET: mac@cis.ksu.edu 532-6350 work, 532-7353 fax
# UUCP: ...rutgers!depot!mac Packet radio: W0PBV@N0ARY.#NOCAL.CA.USA.NA
```

-----

Date: Wed, 26 Jan 1994 18:49:32 GMT  
From: news.cerf.net!pagesat.net!olivea!news.bbn.com!petra!zds-oem!  
news@network.ucsd.edu (Earl Morse)  
Subject: XTAL source needed  
To: ham-homebrew@ucsd.edu

In article <patrick\_tatro.6.7C558180@stortek.com> patrick\_tatro@stortek.com (Patrick Tatro) writes:  
>Im looking for a vendor willing to supply crystals in the 1 or 2 quantity  
>basis. Most vendors have minimum quantities that far exceed my needs. I am  
>also not sure if I can locate crystals at 16.660Mhz and 16.600Mhz. Im trying

>to convert an FM pocket tranciever into a cordless phone unit. Any help will  
>be greatly appreciated.

Try Bomar Crystals

201 Blackford Avenue  
Middlesex, NJ 08846- 2598

908-356-7787

They sell onesies and twosies. Usually \$10.00 a pop.

Earl Morse  
KZ8E  
e.morse@zds.com

-----  
Date: 26 Jan 1994 22:08:07 GMT  
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!usenet.ins.cwru.edu!  
slc6!trier@network.ucsd.edu  
Subject: XTAL source needed  
To: ham-homebrew@ucsd.edu

Mike Stansberry (jms@col.hp.com) wrote:  
: I order my crystals from either International Crystal Mfg. (ICM),  
: 1-800-426-9825, or Jan Crystals, 1-800-526-9825 (just noticed the  
: similarity between those numbers, ...

In article <CK96sr.Lrq@srigenprp.sr.hp.com>, Alan Bloom <alanb@sr.hp.com> wrote:  
>9825 = "XTAL"

It can go a step farther. 426 = "ICM" and 526 = "JAN", so the numbers  
spell out 1-800-JAN-XTAL and 1-800-ICM-XTAL. I wonder if the companies  
realized the similarity of their mnemonics when they chose them?

Stephen

--  
Stephen Trier KB8PWA            Dave: [H]as anyone ever met a Zamboni driver?  
Other: trier@ins.cwru.edu      Mike: The next version of OS/2 will include a  
Home: sct@po.cwru.edu           Zamboni driver. Let's see Microsoft top that!  
                                 (dave@cs.arizona.edu & miked@vnet.ibm.com)

-----  
End of Ham-Homebrew Digest V94 #12

\*\*\*\*\*